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PATENT

#6
Gruhn
J. White
R-1-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mazereeuw

Serial No.: 09/682,005

Filed: July 6, 2001

For: VOLTAGE CONTROLLER

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: Art Unit: 2836
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: Examiner: Huynh, Kim Ngoc
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AMENDMENT

Hon. Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated May 23, 2002, please amend the above-identified patent application as follows:

IN THE SPECIFICATION

Please delete the second paragraph of the Detailed Description beginning on the last line of page 2 and ending on page 3, line 16 and substitute the following therefor:

4 During operation of voltage controller 10, under normal voltage operating conditions, first LED 16 is energized and produces a green light that provides a visual indication that the rms voltage supply is within a predetermined voltage range above and below a predetermined nominal rms voltage. In one embodiment, the predetermined range is approximately ten percent above and below the nominal rms voltage. For example, in a 220 volt environment, first LED 16 is energized when the voltage is between approximately 198 volts and approximately 242 volts. In another embodiment, the predetermined range is approximately fifteen percent above and below the nominal rms voltage of 220 and first LED 16 is energized when the voltage is between 187 volts and 253 volts. Second LED 18 is intermittently energized (blinks) to indicate that the line voltage is being tested. In one embodiment, when the line voltage is being tested, second LED 18 is energized and produces a green light which provides a visual indication of the line voltage testing. In an exemplary embodiment, the line voltage is tested continuously. In another embodiment, the line voltage is tested less than continuously. Additionally, when the voltage is outside the predetermined range, the voltage is tested approximately every one hundred sixty four seconds. In

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